

TE-TP-IE $\dot{\omega}$ E=0

(1) ICS: COUNTERSHAFT INERTIA MOMENT IE: ENGINE INERTIA MOMENT

TP= $\tau \cdot ((\omega E/2 \pi) \cdot 60/1000)^2$ (2)

IMS: MAIN SHAFT INERTIA MOMENT IV: MOMENT CORRESPONDING TO VEHICLE INERTIA

TMS=k·TP

(3) IDS: DRIVESHAFT INERTIA MOMENT iF: FINAL REDUCED GEAR RATIO
(4) iH: GEAR RATIO TO BE SHIFTED TO

TMS-TL-TH-IMS· ωMS=0

IL: GEAR RATIO SHIFTED FROM

TCS-TL·iL-TH·iH+ICS· $\dot{\omega}$ CS=0 (5) ω CS:COUNTERSHAFT SPEED ωE: ENGINE SPEED

TDS=TCS-IF

(6) ω MS:MAIN SHAFT SPEED ω V:DRIVESHAFT SPEED

TDS-TV-IDS $\cdot \dot{\omega}$ V=0

TCS: COUNTERSHAFT TORQUE

TCS: COUNTERSHAFT TORQUE

TE: ENGINE TORQUE

TH: TRANSMISSION TORQUE OF CLUTCH TO BE SHIFTED TO

TMS: MAIN SHAFT TORQUE

TH: TRANSMISSION TORQUE

TH: TRANSMISSION TORQUE

TL: TRANSMISSION TORQUE OF CLUTCH SHIFTED FROM

TP: TORQUE CONVERTER'S PUMP MEMBER TORQUE TV: RUNNING RESISTANCE TDS: DRIVESHAFT TORQUE

k:TORQUE CONVERTER'S TORQUE RATIO
τ:TORQUE CONVERTER'S PUMP ABSORPTION

TORQUE AMOUNT COEFFICIENT

PHASE	MAIN SHAFT MS		COUNTERSHAFT CS		
LOW-GEAR DRIVING	TMS=TL	(8)	TCS=TMS·iL	(9)	
TORQUE PHASE	TMS=TH+TL	(10)	TCS=TMS·iL-TH·(i	L-iH) (11)	
INERTIA PHASE	TMS=TH-IMS.	ώMS (12)	TCS=TH·iH	(13)	
HIGH-GEAR DRIVING	TMS=TH	(14)	TCS=TMS·iH	(15)	

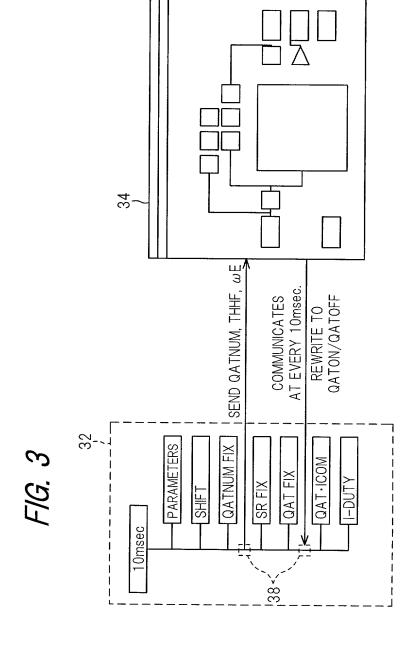
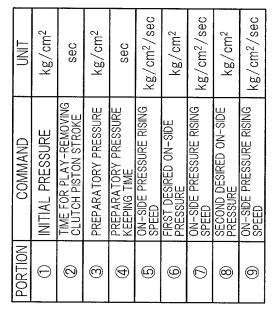
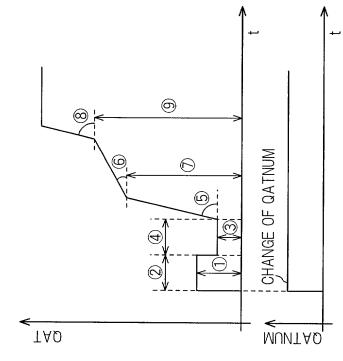
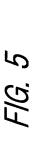
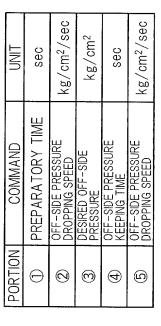


FIG. 4









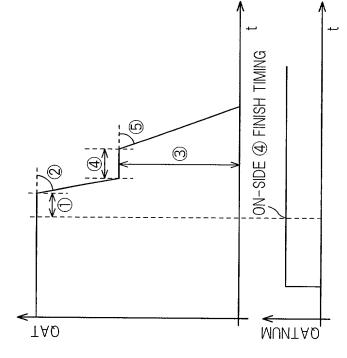
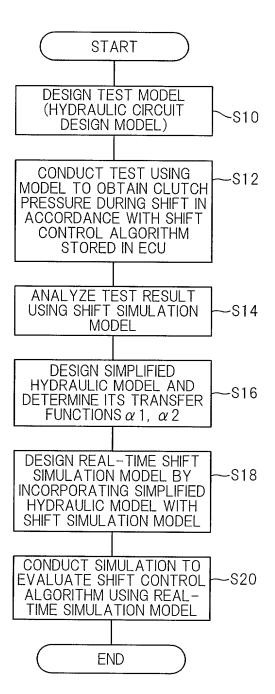
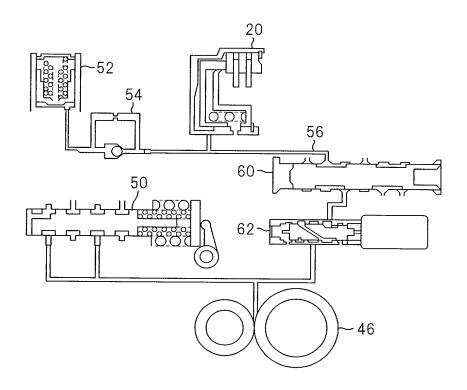
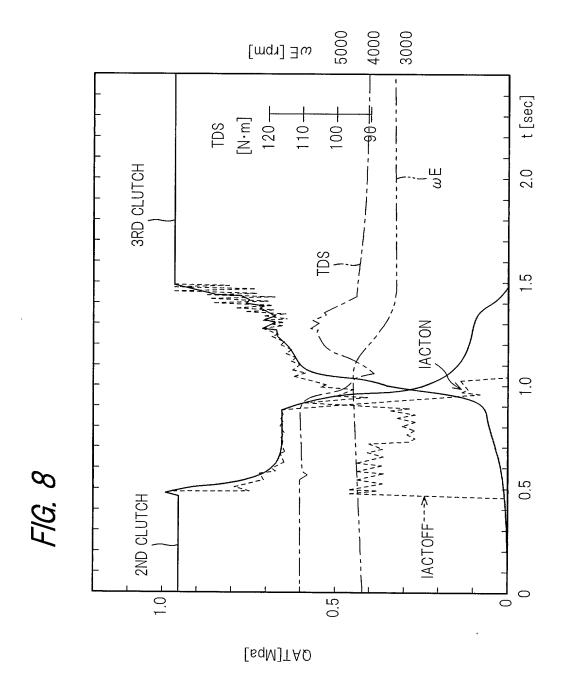


FIG. 6







F1G. 9

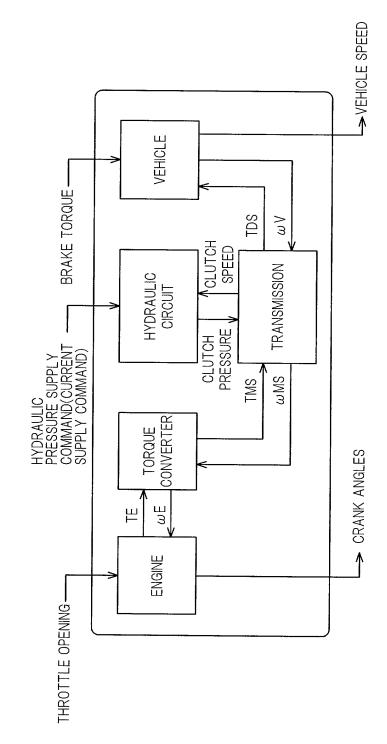


FIG. 10

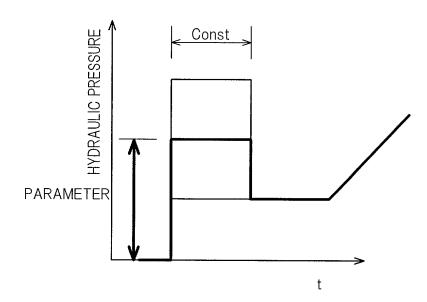
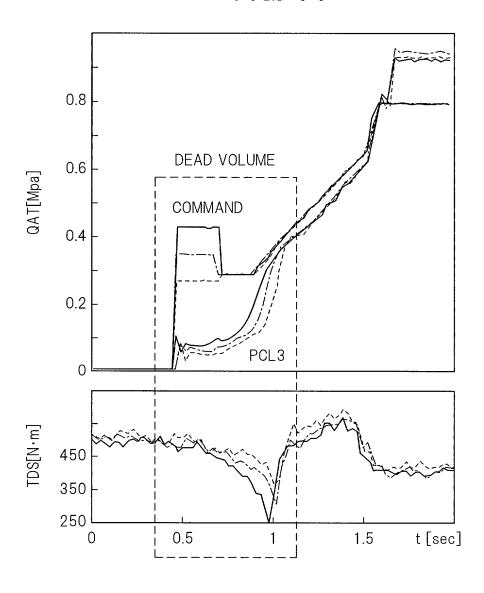


FIG. 11



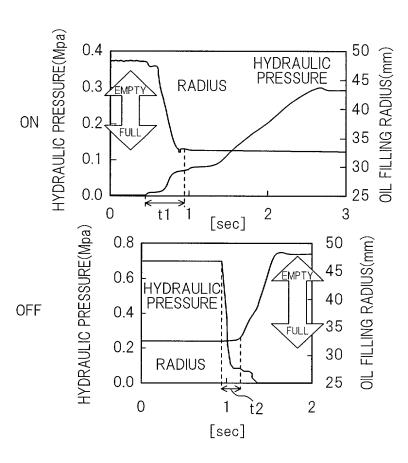


FIG. 13

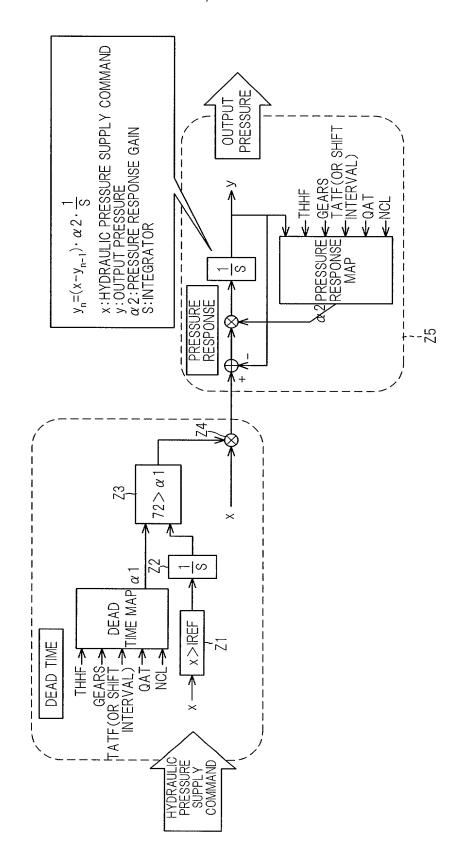


FIG. 14

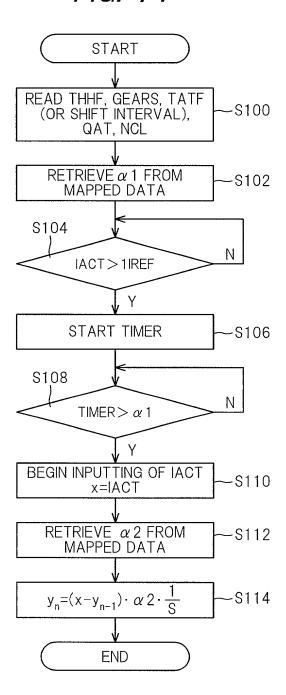


FIG. 15A

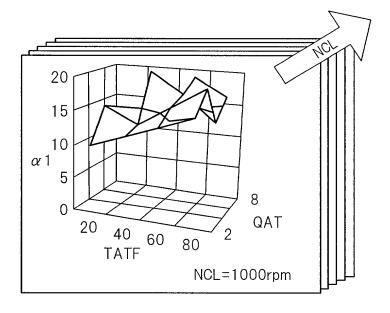


FIG. 15B

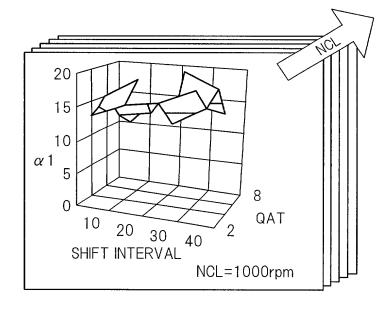


FIG. 16A

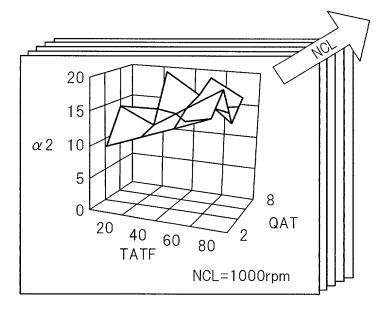
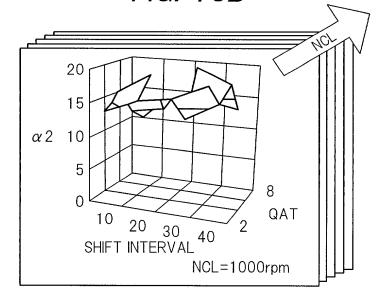


FIG. 16B



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FIG. 17

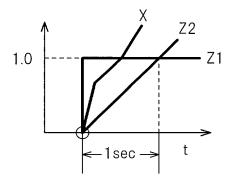


FIG. 18

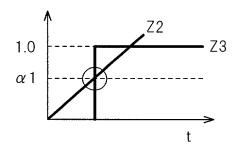
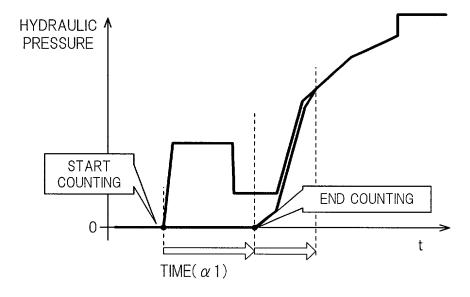
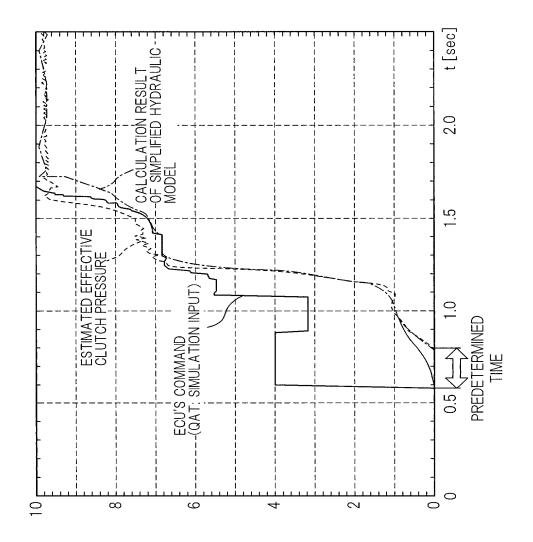


FIG. 19



[sqM]NOTAD



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FIG. 21

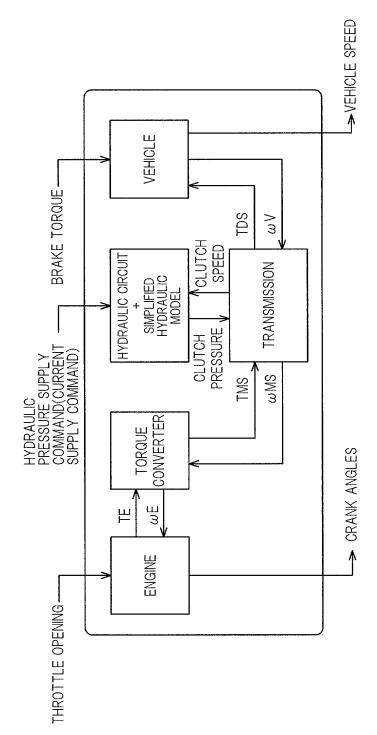
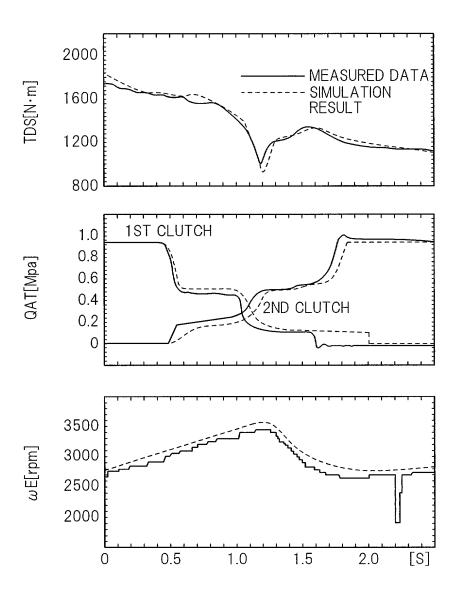
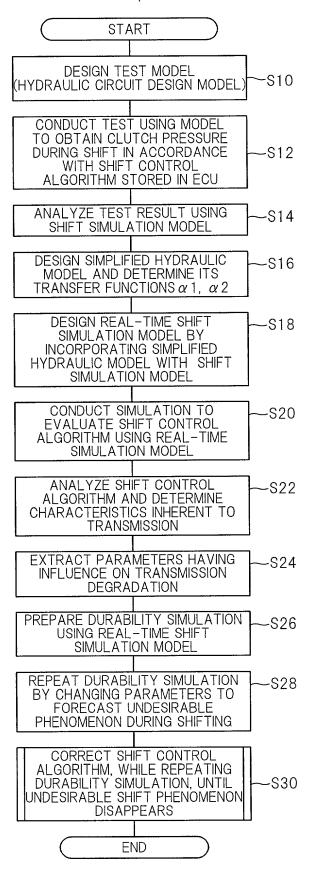
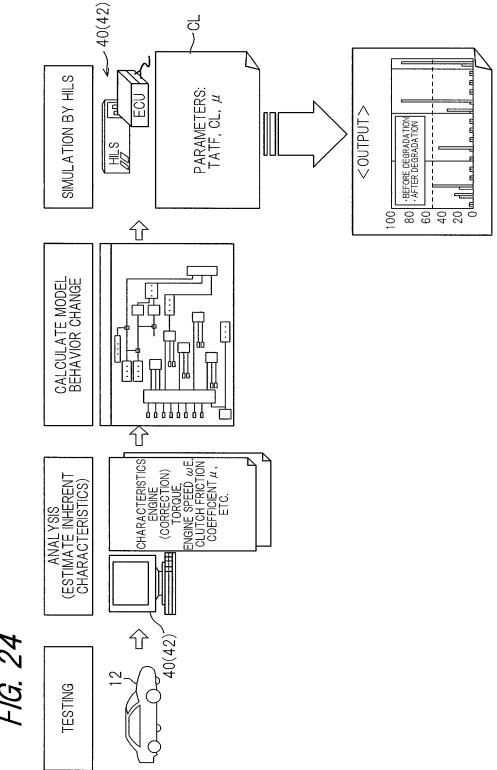


FIG. 22



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FIG. 24

FIG. 25

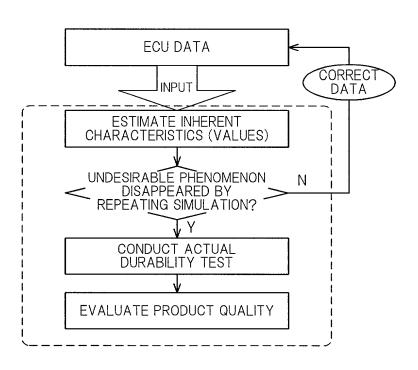
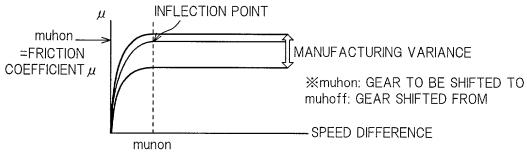


FIG. 26A

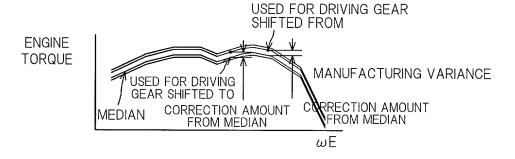
34up	1/8	2/8	4/8	6/8	8/8
	1/8	3 2/8	3 4/8	3 6/8	3 8/8
1 2up	1/8	2/8	4/8	6/8	8/8
muhon	0.147	0.145	0.133	0.123	0.125
muhoff	0.15	0.14	0.14	0.13	0.14
munon[rpm]	300	600	600	600	1300
munoff[rpm]	50	50	50	50	50
TE CORRECTION BEFORE SHIFTING[kgf·m]	-1	-1	-1	-1	-1
TE CORRECTION AFTER SHIFTING[kgf·m]	-1	-1	-1	-1	-1

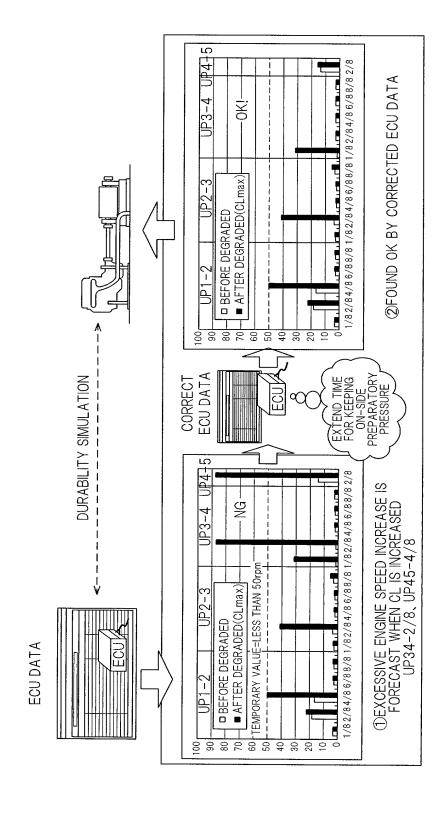
FIG. 26B



=FRICTION COEFFICIENT INFLECTION POINT SPEED DIFFERENCE

FIG. 26C





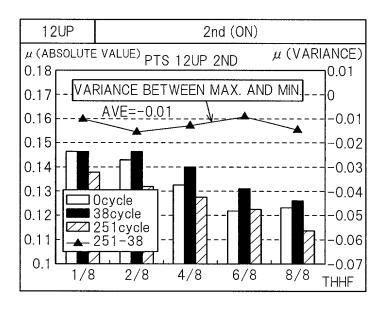


FIG. 29

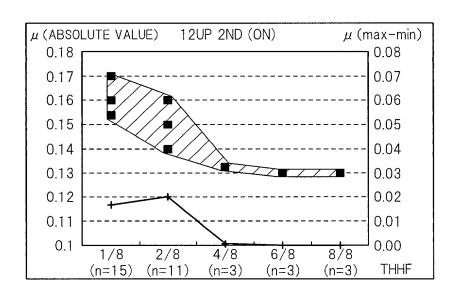


FIG. 30

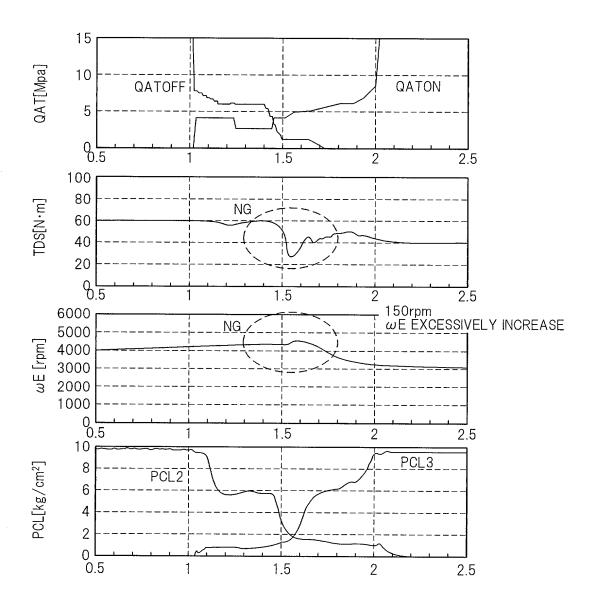


FIG. 31

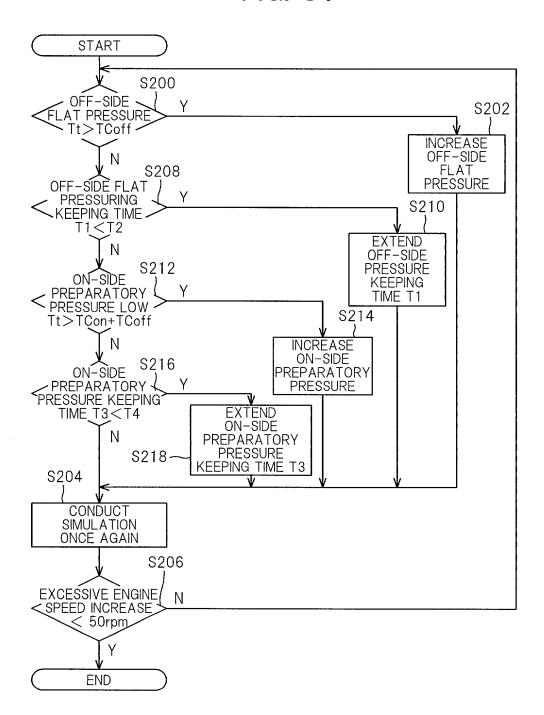
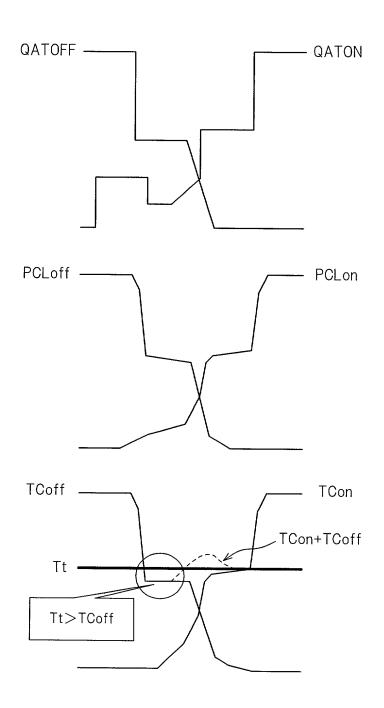
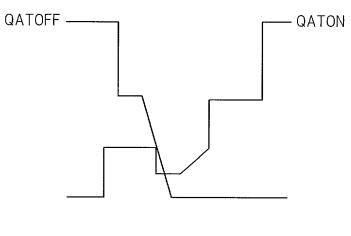


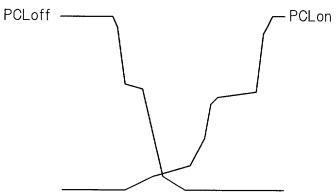
FIG. 32



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FIG. 33





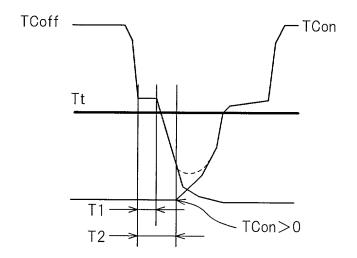
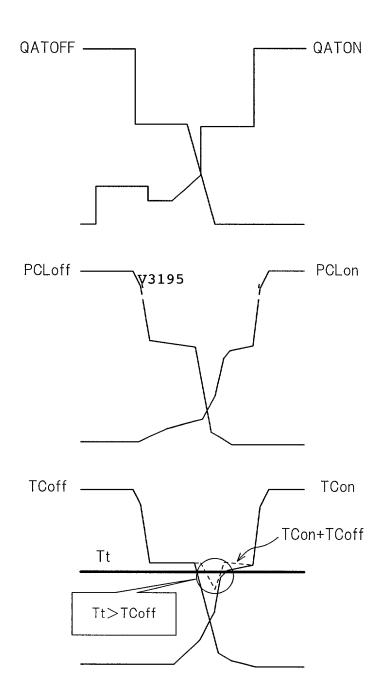


FIG. 34



33/35 *FIG. 35*

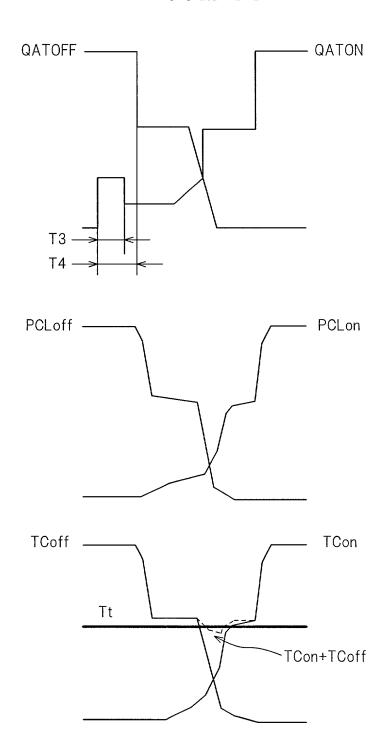


FIG. 36

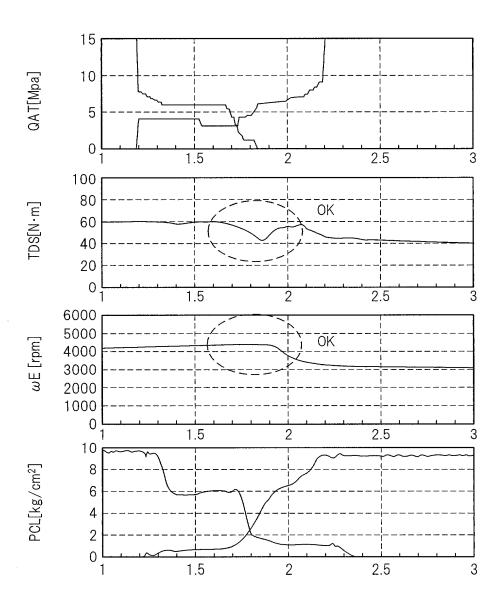


FIG. 37

